

## BRAKE AND CLUTCH BLEEDER

### User Manual



07962

## General Information

**Thank you** for purchasing a Blue Spot Tools product, you can find further information on our range at [www.bluespot.uk.com](http://www.bluespot.uk.com). Please ensure that you are using the product correctly and that all guidance and cautions are followed in accordance with the instructions. Please retain these instructions for future reference.

## Safe use

Please make sure that you read these instructions carefully in order to avoid injury when using the brake and clutch bleeder. Follow all health and safety rules and regulations. If in doubt and available please contact a more knowledgeable source.

### **DO NOT use if damaged.**

- **ALWAYS** ensure you have read through all of the instructions and fully understand how to operate the tool before beginning.
- **ALWAYS** check the brake and clutch bleeder kit for any damage before use. Any damage found needs to be repaired or replaced before use to prevent damage to property or personal injury.
- **ALWAYS** dress appropriately – clothing should be close fitted and long hair tied back. Jewellery should be removed and shoes should be worn with a non-slip sole.
- **ALWAYS** wear the correct PPE equipment. Approved eye protection should always be worn. If brake fluid enters the eyes make sure they are rinsed immediately with plenty of water and seek medical advice. If brake fluid is swallowed seek medical advice immediately.
- **ALWAYS** ensure you work in a well ventilated room.
- **ALWAYS** check for missing or damaged parts before use.
- **ALWAYS** check the vehicle for broken or damaged parts that could impact on the tools operation.
- **ALWAYS** ensure you feel comfortable and confident in knowing what you are doing with the brake components and brake lines. If you feel unsure or have questions please seek professional advice.
- **ALWAYS** refer to the manufacturers instructions when lifting, removing wheels or disassembling the braking system.
- **ALWAYS** refer to the manufactures instructions when reassembling the braking system or wheels.
- **BE AWARE** that only new brake fluid should be used. If used brake fluid is used this will cause damage to the system and possible brake system failure could occur.

## Safe use (continued)

- **BE AWARE** that brake fluid is flammable. Always keep brake fluid away from sources of ignition, including hot surfaces.
- **BE AWARE** that brake fluid can damage paintwork. If any brake fluid is spilled it should be flushed with water immediately.
- Maintain tool in good and clean condition for best and safest performance.
- Keep the work area clean, uncluttered and ensure there is adequate lighting.
- Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- Keep children and unauthorised persons away from the work area.
- **ALWAYS** store the brake and clutch bleeder kit away correctly when not in use.
- **ALWAYS** ensure waste liquids have been disposed of correctly and in accordance with local authority regulations.
- **DO NOT** allow untrained persons to use the kit.
- **DO NOT** operate the tool if you are tired as this could be dangerous.
- **NEVER** operate the tool if you are under the influence of drugs or alcohol as this is dangerous.
- **DO NOT** make modifications to the brake and clutch bleeder kit.
- **NEVER** use the brake and clutch bleeder kit to perform a task it was not designed to do.
- **ALWAYS** stop using the tool straight away if you start to experience discomfort or pain. Consult with a qualified health professional if needed.
- If the brake and clutch bleeder is damaged do not use.

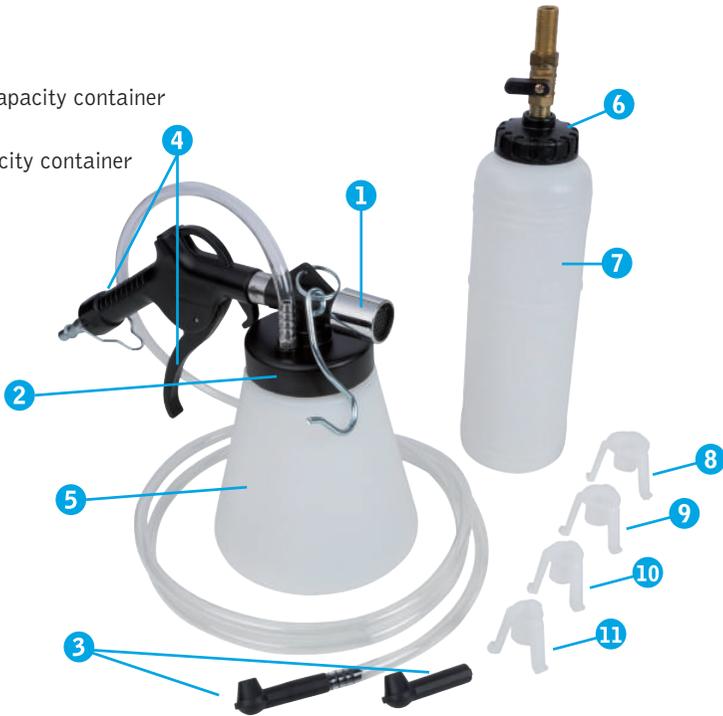
## Introduction

The Blue Spot Tools Brake and Clutch Bleeder uses the air from your workshop compressor to quickly and efficiently bleed brake and clutch systems. The main reservoir bottle has a 1 litre capacity and the suction bottle 0.75 litre. It is suitable for most vehicle types. The kit comes complete with a range of adaptors to connect the brake fluid refill bottle to your brake fluid reservoir.

The recommend safe operating range is - 85-170 PSI.

## Parts Description

1. Filter
2. Lid
3. Hose
4. Trigger
5. 0.75 litre capacity container
6. Lid
7. 1 litre capacity container
8. Adaptor A
9. Adaptor B
10. Adaptor C
11. Adaptor D



## Operation

Before beginning always ensure you have read the safe use points from the manual and that they have all been followed.

**ALWAYS** ensure you have familiarised yourself with the hazards of brake fluid before beginning.

**NOTE** – Copper grease should always be applied to the brake bleeding nipples before and after the brake bleeding procedure. This will help to eliminate the possibility of the brake nipples becoming seized or broken when the brakes are next bled.

## Operation (continued)

### **Brake Bleeding Procedure**

**ALWAYS** ensure you have checked the brake and clutch bleeder for any damage before operation. If any damage is found it needs to be repaired or replaced before beginning.

**DO NOT** touch the brake pedal whilst bleeding the brakes.

Refer to the vehicle manufacturers instructions for brake bleeding and for the wheel sequence. Familiarise yourself with the instructions and follow the steps they set out on how this should be done.

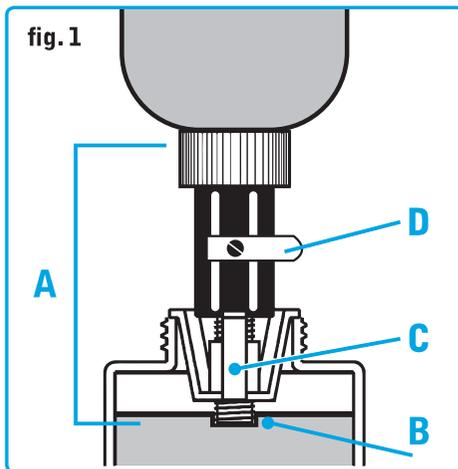
If the vehicle manufacturer does not have these specific instructions please follow the steps below –

1. On the vehicles brake fluid reservoir remove the lid.
2. Check the level of the brake fluid and top it up to its maximum if it is not already at the maximum.
3. Refer to figure one on how to correctly assemble the replenishment bottle within the reservoir. The lid from the replenishment bottle will need to be removed before being assembled onto the reservoir.
4. Figure 1 – Ensure that the threaded outlet (B) is immersed in the brake fluid. If the outlet is not immersed rotate the three legged moulding (C) clockwise towards the valve (D) until it is immersed in the brake fluid.
5. Figure 1 – Make sure the valve (D) is in the closed position.
6. Fill the replenishment bottle just under half full with new brake fluid.
7. Screw the cap back down onto the replenishment bottle. Ensure this is secure.
8. Attach the replenishment bottle over the container of the new brake fluid.
9. Open the valve to allow the fluid level to drop towards the level marked on the bottle.
10. When the level has been reached close the valve.
11. Figure 1 – Insert the bottle into the neck of the vehicle brake fluid reservoir.
12. Open the valve.
13. As the brakes are being bled the fluid level in the reservoir will drop. This will expose the bottle outlet. Brake fluid will begin to flow from the replenishment bottle.
14. When the level in the reservoir has risen sufficiently to cover the outlet the flow will automatically stop.
15. Connect the brake bleeder to a suitable compressed air unit.
16. Attach the black rubber pipe onto the brake nipple on the first wheel of the vehicle.
17. Turn the brake nipple about  $\frac{1}{4}$  of a turn to open it.

## Operation (continued)

18. Activate the brake bleeders trigger. The vacuum created will draw the brake fluid from the brake system of the vehicle.
19. Continue to bleed the brake system until there are no air bubbles visible in the clear tube.
20. The brake nipple will need to be closed when no air bubbles are seen.
21. Carefully remove the black rubber pipe from the brake nipple.
22. To remove the brake fluid from the clear pipe, depress the trigger.
23. On each wheel repeat the process above.

**ALWAYS** check the brakes on the vehicle when the brake bleeding is complete to make sure they are working correctly and are not spongy. The vehicle must not be used on the road until the brakes have been correctly tested.



### Changing the brake fluid

1. Repeat the procedure above for brake bleeding.
2. Ensure the level in the replenishment bottle is being regularly checked as the fluid is being changed.
3. Tighten the brake nipple when the new fluid is seen in the clear tube.
4. Repeat the process above on each wheel.

**ALWAYS** check the brakes on the vehicle when the brake bleeding is complete to make sure they are working correctly and are not spongy. The vehicle must not be used on the road until the brakes have been correctly tested.

## Cleaning & Maintenance

- Clean the tool with a dry cloth if needed.

## Storage

Store the brake and clutch bleeder in a cool dry area that is out of reach of children.

## Disposal

Always check and adhere to national regulations when disposing of any tools that are no longer functional and cannot be repaired.

- Contact your local waste disposal authority for information on how to correctly dispose of tools.

## Environmental Protection

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



## Contact

Find out more about Blue Spot Tools<sup>®</sup> products at [www.BlueSpot.uk.com](http://www.BlueSpot.uk.com)

Tel: 0800 093 0115

Email: [sales@bluespot.uk.com](mailto:sales@bluespot.uk.com)

Orme Business Centre,  
Greenacres Road,  
Oldham,  
OL4 3NS

